

PROJECT 10073 RECORD CARD

1. DATE 11 June 1963		2. LOCATION 25.83N 89.56W (Gulf of Mexico)		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other Satellite (Possible) <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local _____ GMT 11/0650Z		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE civilian			
7. LENGTH OF OBSERVATION 20 min		8. NUMBER OF OBJECTS one		9. COURSE SE	
10. BRIEF SUMMARY OF SIGHTING Report of Satellite sighting from M.V. Box Hill, a British vessel employed by the United Fruit Co.				11. COMMENTS Not ECHO I. Echo crossed over Pacific Ocean at 0622Z crossing equator at 175.30W. Object reported as a Satellite, not a UFO. Mag 2.0. Possibly 1963 B Theta L.	

UNITED STATES GOVERNMENT

Memorandum

TO : J. S. Lacey, OPI
NASA, Greenbelt

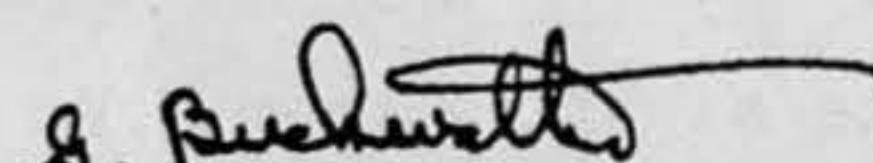
DATE: 26 June 1963

FROM : U.S. Naval Oceanographic Office
Code 5511:JCW

SUBJECT: Nautical Information; forwarding of

Encl: (1) Ship Visit Report from [REDACTED] dtd 11 June 1963

1. Enclosure (1) forwarded for your information.


G. BUCKWALTER

11 JUNE

UNITED STATES GOVERNMENT

Memorandum

TO : Technical Intelligence Center
U. S. Air Force, CAFCIN-4E2X
Wright Patterson AFB, Ohio

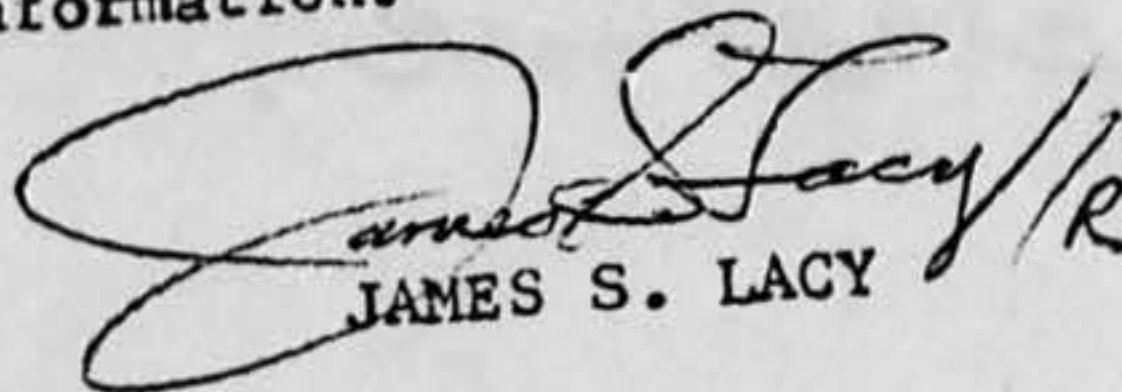
DATE: July 2, 1963

FROM : James S. Lacy, Code 202
OPI, NASA Goddard Space Flight Center

SUBJECT: Enclosed Nautical Information; forwarding of

Encl: (1) Ship Visit Report from M- [REDACTED] dtd 11 June 1963
(2) Memo from G. Buckwalter dtd 26 June 1963

Enclosures forwarded for your information.


JAMES S. LACY

This case includes two (2) photocopied
pages of narrative.

Enclosure (1)

PRNC-NMC-3506 1 (Rev. 9-40) (Back)

MARINE DATA REPORT

Please type or print clearly

NAME OF SHIP m.v. Box Hill		NATIONALITY British	DATE OF REPORT 11th June 1963
MASTER OR COMMANDING OFFICER K.J. Leslie		OBSERVER (Name and Rank) [Redacted] 2nd Mate	
SHIPPING ADDRESS (If Agent's address for non-U.S. ships) United Fruit Company, Pier 3, North River, New York			
SHIP TYPE <input type="checkbox"/> PASSENGER <input type="checkbox"/> CARGO <input type="checkbox"/> TANKER <input type="checkbox"/> OTHER (Specify)			
GROSS TONS 2983.24	LENGTH (Feet) 343' 6"	BEAM (Feet) 45'	DEEPEST DRAFT (Feet) when loaded to marks 21' 5"

Instructions for Reporting Observer

This form is provided for the convenience of mariners in reporting items of interest to the Hydrographic Office such as wrecks, shoalings, uncharted dangers, discrepancies in published information, etc. Such reports will enable the Hydrographic Office to correct its charts and publications and promote navigational safety, thereby benefiting mariners generally. In all cases, be sure to describe items fully, and specify the date, time (G.M.T.), and position or location of the items reported. Additional information on submitting reports will be found in H.O. Pub. No. 606a.

Observation of Satellite

At 0650 gmt, on the above date, in D.R. position: 25°18' N., 89°56' W., what was presumed to be a Satellite of magnitude 2.0, was observed, rising between, MERUH & PHECDA, in the constellation of URSA MAJOR. The bearing was 320 T. At 0658, the Satellite disappeared behind cloud on a bearing of 008 T altitude 21 degrees; at 0705 the Satellite reappeared on a bearing of 053 T, altitude 10 degrees, and finally was lost to view at 0710, bearing 058 T, altitude 5 degrees.

At the time of observation there was clear atmosphere and bright moonlight. The wind was from the East at 10 mph, the temperature of the air was 28 C. The barometer read 29.86 inches.

Course 321 T, speed 15 knots.

REPORT URGENT DANGERS BY RADIO

JUNE 5, 1963

SATELLITE 1960 IOTA 1, ECHO I

These predictions are based on orbital elements revised on June 3, 1963
 T_0 = June 4 0, times are in days, U.T.
 Argument of perigee = $274.306 + 3.3877 (t - T_0)$
 Right ascension of ascending node = $203.064 + 3.7982 (t - T_0)$

Inclination = 47.2757 Eccentricity = $0.044912 + 6.22 \times 10^{-4} (t - T_0)$ Semi-major axis = 7.847655 megametersMean anomaly (Rev.) = $0.32330 + 12.498859 (t - T_0) + 1.0857 \times 10^{-4} (t - T_0)^2$

EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES				EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES			
TIME	LONG.	LAT.		TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.
(UT)	(W)			CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)
JUNE 8, 1963															
1 39.0	90.67	47.4		29.9	-82.43	1135	90.00	29.9	-82.46	1135	90.00	1 33.6	106.43	47.4	
3 34.1	114.79	45.0		24.2	-60.60	1103	72.30	35.6	-104.27	1147	107.70	3 29.7	135.54	45.0	
5 29.2	148.90	40.0		19.8	-45.43	1085	60.70	40.7	-119.41	1141	119.40	5 29.7	164.65	40.0	
7 24.3	178.02	35.0		16.5	-35.86	1031	54.00	43.5	-128.95	1128	126.10	7 18.8	193.72	35.0	
9 19.4	207.14	30.0		13.7	-28.56	999	49.40	46.5	-136.22	1112	130.70	9 13.9	222.88	30.0	
11 14.5	236.26	20.0		8.4	-17.32	938	43.70	51.4	-147.40	1071	136.60	11 9.0	251.99	20.0	
13 9.6	265.37	0.0		0.0	0.0	878	40.00	60.9	-164.54	971	140.10	13 4.1	281.10	0.0	
15 4.7	294.49	-20.0		-8.4	17.41	740	43.80	-45.4	148.97	862	136.30	14 59.1	310.21	-20.0	
16 59.8	323.61	-30.0		-12.4	28.78	708	49.50	-40.7	137.45	807	130.50	16 54.2	339.32	-30.0	
18 54.9	352.73	-35.0		-15.3	36.18	696	54.10	-38.2	130.31	780	126.00	18 49.3	368.43	-35.0	
20 50.0	381.84	-40.0		-18.1	43.86	687	60.80	-35.3	120.65	752	119.20	20 44.4	37.55	-40.0	
22 45.1	410.96	-45.0		-21.9	51.19	685	72.40	-31.4	109.32	721	107.60	22 39.4	66.66	-45.0	
		-47.4		-24.6	58.24	695	80.00	-26.6	83.28	695	90.00			-47.4	
JUNE 9, 1963															
0 40.2	80.08	47.4		29.7	-82.46	1133	90.00	29.8	-82.49	1133	90.00	0 34.5	95.77	47.4	
2 35.3	109.19	45.0		24.1	-60.61	1097	72.30	35.5	-104.30	1149	107.70	2 29.6	124.88	45.0	
4 30.4	138.31	40.0		19.7	-45.45	1056	60.70	40.0	-119.44	1146	119.40	4 24.7	153.99	40.0	
6 25.5	167.42	35.0		16.4	-35.88	1021	54.00	43.4	-128.98	1136	126.10	6 19.7	183.10	35.0	
8 20.6	196.54	30.0		13.6	-28.58	987	49.40	46.4	-136.24	1121	130.70	8 14.8	212.21	30.0	
10 15.7	225.66	20.0		8.7	-17.33	925	43.70	51.4	-147.42	1082	136.60	10 9.9	241.32	20.0	
12 10.8	254.77	0.0		0.0	0.0	816	40.00	60.9	-164.60	985	140.10	12 5.0	270.44	0.0	
14 5.9	283.89	-20.0		-8.4	17.42	729	43.80	-45.4	148.98	874	136.30	14 0.0	299.55	-20.0	
16 1.0	313.00	-30.0		-12.8	28.79	700	49.50	-40.7	137.47	817	130.60	16 55.1	328.66	-30.0	
17 56.1	342.12	-35.0		-15.2	36.18	689	54.10	-38.1	130.32	789	126.00	17 50.2	357.77	-35.0	
19 51.2	371.24	-40.0		-18.1	43.86	682	60.80	-35.2	120.64	759	119.20	19 45.3	26.68	-40.0	
21 46.3	400.35	-45.0		-21.0	51.21	682	72.40	-31.5	109.34	726	107.60	21 40.3	55.99	-45.0	
23 41.3	429.47	-47.4		-24.6	58.26	697	80.00	-26.6	83.30	697	90.00	23 35.4	85.10	-47.4	
JUNE 10, 1963															
1 30.5	90.58	47.4		29.6	-82.49	1129	90.00	29.6	-82.53	1129	90.00	1 30.5	100.21	47.4	
3 31.5	127.10	45.0		24.0	-60.66	1069	72.30	35.3	-104.34	1150	107.70	3 25.5	143.32	45.0	
5 26.6	156.81	40.0		19.6	-45.48	1049	60.70	39.9	-119.48	1151	119.40	5 20.6	172.43	40.0	
7 21.7	185.93	35.0		16.3	-35.91	1008	54.00	43.3	-129.01	1143	126.10	7 15.7	201.54	35.0	
9 16.8	215.04	30.0		13.5	-28.60	974	49.40	46.2	-136.27	1130	130.70	9 10.7	230.65	30.0	
11 11.9	244.16	20.0		8.7	-17.34	910	43.70	51.5	-147.45	1094	136.60	11 5.8	259.76	20.0	
13 7.0	273.27	0.0		0.0	0.0	800	40.00	60.8	-164.61	999	140.20	13 0.9	288.86	0.0	
15 2.1	302.38	-20.0		-8.3	17.43	718	43.80	-45.4	148.99	887	136.30	15 56.0	317.97	-20.0	
16 57.2	331.50	-30.0		-12.7	28.81	691	49.50	-40.7	137.48	829	130.60	16 51.0	347.08	-30.0	
18 52.2	360.61	-35.0		-15.2	36.19	682	54.10	-38.1	130.33	799	126.00	18 46.1	376.19	-35.0	
20 47.3	389.73	-40.0		-18.0	43.88	678	60.80	-35.2	120.68	768	119.20	20 41.2	405.30	-40.0	
22 42.4	418.84	-45.0		-21.7	51.23	680	72.40	-31.5	109.36	732	107.60	22 36.2	434.41	-45.0	
		-47.4		-24.5	58.28	699	80.00	-26.5	83.32	699	90.00			-47.4	
JUNE 11, 1963															
0 37.5	87.96	47.4		29.5	-82.52	1125	90.00	29.5	-82.56	1125	90.00	0 31.3	103.52	47.4	
2 32.6	117.07	45.0		23.9	-60.69	1081	72.30	35.2	-104.37	1150	107.70	2 26.3	132.63	45.0	
4 27.7	146.18	40.0		19.4	-45.51	1035	60.70	39.8	-119.51	1154	119.40	4 21.4	161.74	40.0	
6 22.8	175.30	35.0		16.2	-35.93	996	54.00	43.2	-129.05	1149	126.10	6 16.5	190.84	35.0	
8 17.8	204.41	30.0		13.5	-28.62	961	49.40	46.1	-136.30	1138	130.70	8 11.5	219.95	30.0	
10 12.9	233.52	20.0		8.6	-17.35	896	43.70	51.6	-147.47	1105	136.60	10 6.6	249.06	20.0	
12 8.0	262.64	0.0		0.0	0.0	786	40.00	60.8	-164.63	1013	140.20	12 1.7	278.17	0.0	
14 3.1	291.75	-20.0		-8.3	17.44	706	43.80	-45.4	148.99	900	136.30	14 56.7	307.28	-20.0	
16 58.2	320.86	-30.0		-12.7	28.82	684	49.50	-40.6	137.49	840	130.60	16 51.8	336.38	-30.0	
18 53.3	349.98	-35.0		-15.1	36.21	677	54.10	-38.0	130.34	809	126.00	18 46.9	365.49	-35.0	
20 48.4	379.09	-40.0		-17.9	43.90	674	60.80	-35.1	120.69	774	119.20	20 41.9	394.60	-40.0	
22 43.4	408.20	-45.0		-21.7	51.25	680	72.40	-31.7	109.38	738	107.60	22 37.0	423.71	-45.0	
24 38.5	437.31	-47.4		-24.4	58.30	701	80.00	-26.4	83.34	701	90.00	24 32.0	452.81	-47.4	
JUNE 12, 1963															
1 33.6	106.43	47.4		29.3	-82.56	1119	90.00	29.3	-82.60	1119	90.00	1 33.6	106.43	47.4	
3 29.7	135.54	45.0		23.7	-60.71	1071	72.30	35.0	-104.41	1149	107.70	3 29.7	135.54	45.0	
5 25.7	164.65	40.0		19.3	-45.54	1023	60.70	39.6	-119.55	1157	119.40	5 29.7	164.65	40.0	
7 21.8	193.72	35.0		16.1	-35.95	983	54.00	43.0	-129.06	1154	126.10	7 21.8	193.72	35.0	
9 17.9	222.88	30.0		13.4	-28.64	946	49.40	46.0	-136.34	1145	130.70	9 17.9	222.88	30.0	
11 14.0	251.99	20.0		8.6	-17.37	881	43.70	51.2	-147.50	1116	136.60	11 14.0	251.99	20.0	
13 9.1	281.10	0.0		0.0	0.0	777	40.00	60.7	-164.65	1028	140.20	13 9.1	281.10	0.0	
15 59.1	310.21	-20.0		-8.2	17.45	688	43.80	-45.4	148.98	915	136.30	15 59.1	310.21	-20.0	
16 54.2	339.32	-30.0		-12.6	28.84	677	49.50	-40.6	137.49	853	130.60	16 54.2	339.32	-30.0	
18 49.3	368.43	-35.0		-15.0	36.23	671	54.10	-38.0	130.35	821	126.00	18 49.3	368.43	-35.0	
20 44.4	397.55	-40.0		-17.8	43.92	671	60.80	-35.1	120.70	786	119.20	20 44.4	397.55	-40.0	
22 39.4	426.66	-45.0		-21.6	51.26	674	72.40	-31.7	109.39	745	107.60	22 39.4	426.66	-45.0	
		-47.4		-26.3	58.32	705	80.00	-26.3	83.36	705	90.00			-47.4	
JUNE 13, 1963															
0 34.5	95.77	47.4		29.2	-82.60	1113	90.00	29.2	-82.64	1113	90.00	0 34.5	95.77	47.4	
2 2															